

## 2018 Soybean Top 30 Harvest Report

Iowa Northwest [ IANW ] ALBERT CITY

Bloom Family Farms, Aaron Bloom, Buena Vista County, IA 51052



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

PREV. CROP/HERB: Corn / Surpass, Callisto, Durango  
 SOIL DESCRIPTION: Canisteo clay loam, mod. well drained, non-irrigated  
 SOIL CONDITIONS: Medium P, medium K, 5.9 pH, 4.0% OM, 19.6 CEC  
 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Zidua Pro, Acifluorfen, Clethodim, Outlook  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 31 151,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 22 143,200 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.4**  
 S2018IANW04a

### Top 30 of 54

For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Renk	RS248NX	RRX	2.4	R	<b>72.6</b>	12.8	4	145.0	\$581	1
Titan Pro	TP 24X87	RRX	2.4	MR	<b>72.4</b>	13.2	4	141.1	\$579	2
Credenz	CZ2408LL	LL	2.4	R	<b>72.1</b>	12.8	4	148.1	\$577	3
Hoegemeyer	LL2221N	LL	2.2	R	<b>71.7</b>	12.6	4	144.6	\$574	4
Champion	24L17N	LL	2.4	R	<b>71.4</b>	12.7	4	143.3	\$571	5
LG Seeds	C2126RX	RRX	2.1	R	<b>71.0</b>	12.5	4	146.3	\$568	6
Hefty	H24X8	RRX	2.4	MR	<b>70.5</b>	12.9	4	141.3	\$564	7
Champion	24X98N	RRX	2.4	R	<b>69.6</b>	12.8	4	147.0	\$557	8
Champion	21X77N	RRX	2.1	R	<b>69.5</b>	12.6	4	144.3	\$556	9
Titan Pro	TP 24L27	LL	2.4	MR	<b>69.5</b>	13.0	11	138.1	\$556	10
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	<b>69.4</b>	12.6	7	147.5	\$555	11
Kruger	K2X-2442	RRX	2.4	R	<b>69.0</b>	12.8	19	142.9	\$552	12
LG Seeds	LGS2239RX	RRX	2.2	R	<b>68.9</b>	12.6	8	142.1	\$551	13
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	<b>68.6</b>	12.5	4	141.4	\$549	14
Pioneer	P22T73R §	RR	2.2	R	<b>68.5</b>	12.6	4	143.1	\$548	15
LG Seeds	LGS2444RX	RRX	2.4	R	<b>68.2</b>	12.6	8	140.6	\$546	16
Viking	2155N	None	2.1	MR	<b>67.8</b>	12.7	15	143.3	\$542	17
Latham	L2228R2	RR2Y	2.2	R	<b>66.9</b>	12.7	8	147.3	\$535	18
Golden Harvest	GH2230X	RRX	2.2	R	<b>66.4</b>	12.5	20	142.6	\$531	19
Pioneer	P18T85R §	RRX	1.8	R	<b>66.1</b>	12.6	4	141.8	\$529	20
Pioneer	P24A99X §	RRX	2.4	R	<b>66.0</b>	12.7	4	145.3	\$528	21
Becks	2339X2 GC	RRX	2.3	R	<b>65.9</b>	12.8	4	146.5	\$527	22
Credenz	CZ2312LL	LL	2.3	R	<b>65.4</b>	12.6	4	146.1	\$523	23
Viking	2340KN	None	2.3	R	<b>65.4</b>	13.4	4	140.6	\$523	24
Titan Pro	TP 22X68	RRX	2.2	MR	<b>65.4</b>	12.7	8	142.1	\$523	25
Stine	21RI32 §	RR2Y	2.1	R	<b>65.1</b>	12.5	4	141.6	\$521	26
Renk	RS219NX	RRX	2.1	R	<b>65.0</b>	12.6	4	146.6	\$520	27
Asgrow	AG24X7 §	RRX	2.4	R	<b>64.4</b>	12.9	4	143.3	\$515	28
Titan Pro	TP 21L15	LL	2.1	MR	<b>64.3</b>	12.6	4	142.1	\$514	29
Champion	22X09N	RRX	2.2	R	<b>64.2</b>	12.6	4	140.4	\$514	30
Croplan	R2C2450 CK	RR2Y	2.4	R	<b>63.3</b>	12.7	4	141.6	\$506	37

Corey Rozenboom

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Averages = **65.1** **12.7** **9** **143.2** **\$521**  
 LSD (0.10) = 3.2 0.2 9.2  
 LSD (0.25) = 1.7 0.1 4.9  
 C.V. = 4.7

Prev. years avg. yield, 62.5 bu/a, 4 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

**TEST COMMENTS:** *Planting was delayed in this area by a soggy May weather pattern that left soil profiles slow to dry. Once planted, emergence was excellent and vegetative growth advanced rapidly producing tall, healthy plants. This site had ample moisture all season long, ending at over 7" above the 30-yr average. Plant heights for most varieties at harvest were tall and lodging appeared variety specific.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

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Report Date: 10/27/2018 Revised:

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 SOIL DESCRIPTION: Canisteo clay loam, mod. well drained, non-irrigated  
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 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Zidua Pro, Acifluorfen, Clethodim, Outlook  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 31 151,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 22 143,200 /A

**Full-Season Test**  
**Maturity Group 2.5 - 2.8**  
 S2018IANW04b

### Top 30 of 36

For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HiSoy	HS 27X80	RRX	2.7	R	<b>72.0</b>	12.8	4	136.6	\$576	1
Credenz	CZ2601LL	LL	2.6	R	<b>71.7</b>	12.3	4	147.6	\$574	2
Golden Harvest	GH2788X	RRX	2.7	R	<b>70.6</b>	12.3	4	143.3	\$565	3
Asgrow	AG26X8 §	RRX	2.6	R	<b>70.6</b>	12.4	4	142.4	\$565	4
Latham	L2887R2X	RRX	2.8	R	<b>70.5</b>	13.0	4	142.8	\$564	5
Latham	L2549R2X	RRX	2.5	R	<b>70.4</b>	12.2	4	138.9	\$563	6
NK Brand	S27-M8X	RRX	2.7	R	<b>70.3</b>	12.3	4	140.9	\$562	7
LG Seeds	C2888RX	RRX	2.8	R	<b>70.3</b>	14.9	4	143.3	\$560	8
Renk	RS288NX	RRX	2.8	R	<b>70.0</b>	13.6	4	143.3	\$559	9
LG Seeds	LGS2759RX	RRX	2.7	R	69.5	12.5	4	142.1	\$556	10
Latham	L2682R2X	RRX	2.6	R	69.0	13.0	8	144.8	\$552	11
FS HiSoy	HS 28X70	RRX	2.8	R	69.0	14.7	4	143.1	\$550	13
Kruger	K2X-2652	RRX	2.6	R	68.9	12.4	10	140.1	\$551	12
Champion	26L16N	LL	2.6	R	68.8	12.4	4	143.1	\$550	14
Channel	2519R2X	RRX	2.5	S	68.8	12.5	11	140.4	\$550	15
Champion	28X78N	RRX	2.8	R	68.8	14.4	4	137.7	\$548	16
Hefty	H28X8	RRX	2.8	MR	68.6	13.3	4	145.0	\$548	17
Hoegemeyer	LL2579N	LL	2.5	R	68.5	12.6	37	146.5	\$548	18
Hefty	H25X8	RRX	2.5	MR	67.6	13.8	4	145.6	\$540	19
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	67.4	12.5	4	146.6	\$539	20
Hefty	H25X9	RRX	2.5	MR	67.1	12.2	4	141.1	\$537	21
Titan Pro	TP 26X37	RRX	2.6	MR	67.0	12.6	4	147.8	\$536	22
Kruger	K2X-2573	RRX	2.5	R	67.0	12.2	15	146.1	\$536	23
Titan Pro	TP 28X47	RRX	2.8	MR	66.6	14.7	4	143.1	\$531	25
Channel	2617R2X	RRX	2.6	R	66.5	12.3	4	141.9	\$532	24
Stine	28BA02 §	G27	2.8	R	65.7	12.6	8	144.3	\$526	26
LG Seeds	LGS2680RX	RRX	2.6	S	65.3	13.8	19	142.1	\$521	27
FS HiSoy	HS 25X70	RRX	2.5	R	64.9	14.6	8	138.4	\$517	29
Champion	26X09N	RRX	2.6	MR	64.7	14.5	4	147.1	\$516	30
Channel	2918R2X	RRX	2.9	R	63.9	14.7	4	146.6	\$509	31
Croplan	R2C2450 CK	RR2Y	2.4	R	64.7	12.6	4	145.6	\$518	28

*Corey Rozenboom*

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Averages = **67.3** **13.1** **7** **143.2** **\$538**  
 LSD (0.10) = 2.6 0.4 5.4  
 LSD (0.25) = 1.4 0.2 2.8  
 C.V. = 3.7

Prev. years avg. yield, 62.5 bu/a, 4 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

**TEST COMMENTS:** *Planting was delayed in this area by a soggy May weather pattern that left soil profiles slow to dry. Once planted, emergence was excellent and vegetative growth advanced rapidly producing tall, healthy plants. This site had ample moisture all season long, ending at over 7" above the 30-yr average. Plant heights for most varieties at harvest were tall and lodging appeared variety specific.*

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Report Date: 10/27/2018 Revised:

## 2018 Soybean - Iowa Northwest [ IANW ]

### Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG21X7 §	RRX	2.1	R	AC,PV	Stine	24RH62 §	RR2Y	2.4	R	SF
Asgrow	AG24X7 §	RRX	2.4	R	AC,PV	Titan Pro	TP 21L15	LL	2.1	MR	IL,PV
Becks	2339X2 GC	RRX	2.3	R	Es	Titan Pro	TP 22X68	RRX	2.2	MR	None
Champion	21X77N	RRX	2.1	R	EL	Titan Pro	TP 24L27	LL	2.4	MR	IL,PV
Champion	22X09N	RRX	2.2	R	EL	Titan Pro	TP 24X87	RRX	2.4	MR	IL,PV
Champion	24L17N	LL	2.4	R	EL	Viking	2155N	None	2.1	MR	CMB
Champion	24X98N	RRX	2.4	R	EL	Viking	2188AT12N	None	2.4	MR	CMB
Channel	2119R2X	RRX	2.1	R	AC,PV,IL	Viking	2340KN	None	2.3	R	None
Channel	2218R2X	RRX	2.2	R	AC,PV,IL	Viking	2418N	None	2.4	MR	None
Credenz	CZ2312LL	LL	2.3	R	EE,PV,IL						
Credenz	CZ2408LL	LL	2.4	R	EE,PV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	None						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB						
Federal	F2280NR2X	RRX	2.2	R	None						
Golden Harvest	GH2041X	RRX	2.0	R	CCB,Me						
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me						
Hefty	H21X9	RRX	2.1	MR	DST						
Hefty	H22X8	RRX	2.2	MR	DST						
Hefty	H23X9	RRX	2.3	MR	DST						
Hefty	H24X8	RRX	2.4	MR	DST						
Hoegemeyer	LL2221N	LL	2.2	R	EE,G,IL,Lu						
Kruger	K2X-2172	RRX	2.1	R	AC,PV,IL						
Kruger	K2X-2261	RRX	2.2	R	AC,PV,IL						
Kruger	K2X-2442	RRX	2.4	R	AC,PV,IL						
Latham	L2228R2	RR2Y	2.2	R	SS+						
Latham	L2239R2X	RRX	2.2	R	SS+						
Latham	L2295R2X	RRX	2.2	R	SS+						
Latham	L2464R2X	RRX	2.4	R	SS+						
Legend	LS 21X705N	RRX	2.1	MR	YPP						
LG Seeds	C2126RX	RRX	2.1	R	ASfi,IL						
LG Seeds	LGS2239RX	RRX	2.2	R	ASfi,IL						
LG Seeds	LGS2444RX	RRX	2.4	R	ASfi,IL						
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me						
NK Brand	S21-W8X	RRX	2.1	R	CCB,Me						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pfister	24R201	RR2Y	2.4	R	CCB						
Pioneer	P18T85R §	RRX	1.8	R	None						
Pioneer	P22T73R §	RR	2.2	R	None						
Pioneer	P24A99X §	RRX	2.4	R	None						
Renk	RS207NX	RRX	2.0	R	EcTC						
Renk	RS219NX	RRX	2.1	R	EcTC						
Renk	RS239NX	RRX	2.3	R	None						
Renk	RS248NX	RRX	2.4	R	EcTC						
Stine	21RI32 §	RR2Y	2.1	R	SF						

**2018 Soybean - Iowa Northwest [ IANW ]**

**Full-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG26X8 §	RRX	2.6	R	AC,PV						
Champion	26L16N	LL	2.6	R	EL						
Champion	26X09N	RRX	2.6	MR	EL						
Champion	28X78N	RRX	2.8	R	EL,IL						
Channel	2519R2X	RRX	2.5	S	AC,PV,IL						
Channel	2617R2X	RRX	2.6	R	AC,PV,IL						
Channel	2918R2X	RRX	2.9	R	AC,PV,IL						
Credenz	CZ2601LL	LL	2.6	R	EE,PV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	None						
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	CMB						
FS HiSoy	HS 25X70	RRX	2.5	R	ACi,IL						
FS HiSoy	HS 27X80	RRX	2.7	R	ACi,IL						
FS HiSoy	HS 28X70	RRX	2.8	R	ACi,IL						
Golden Harvest	GH2537X §	RRX	2.5	R	CCB,Me						
Golden Harvest	GH2788X	RRX	2.7	R	CCB,Me						
Hefty	H25X8	RRX	2.5	MR	DST						
Hefty	H25X9	RRX	2.5	MR	DST						
Hefty	H28X8	RRX	2.8	MR	DST						
Hoegemeyer	LL2579N	LL	2.5	R	CMB						
Kruger	K2X-2573	RRX	2.5	R	AC,PV,IL						
Kruger	K2X-2652	RRX	2.6	R	AC,PV,IL						
Kruger	K2X-2863	RRX	2.8	R	AC,PV,IL						
Latham	E2584R2X	RRX	2.5	R	SS+						
Latham	L2549R2X	RRX	2.5	R	SS+						
Latham	L2682R2X	RRX	2.6	R	SS+						
Latham	L2887R2X	RRX	2.8	R	SS+						
LG Seeds	C2888RX	RRX	2.8	R	ASfi,IL						
LG Seeds	LGS2680RX	RRX	2.6	S	ASfi,IL						
LG Seeds	LGS2759RX	RRX	2.7	R	ASfi,IL						
NK Brand	S25-B6X §	RRX	2.5	R	CCB,Me						
NK Brand	S27-M8X	RRX	2.7	R	CCB,Me						
Renk	RS269X	RRX	2.6	S	EcTC						
Renk	RS288NX	RRX	2.8	R	EcTC						
Stine	28BA02 §	G27	2.8	R	None						
Titan Pro	TP 26X37	RRX	2.6	MR	None						
Titan Pro	TP 28X47	RRX	2.8	MR	IL,PV						

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta.
CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

### Soybean Technologies

G27	GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea herbicide tolerant

### Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybean Seed Treatments\*

?	Information not provided	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron® fungicide products	IL	ILeVO®
ACi	Acceleron® fungicide and insecticide products	In	Intego™ Solo
AM	ApronMaxx®	IS	Intego™ Suite
ASfi	AgriShield® F+I	Lu	Lumisena™
AVB	Avicta® Complete Beans	Me	Mertect®
AVBV	Avicta® Complete Beans with Vibrance	None	untreated
BB	Buckeye Boost ST	Pd	proTect D™
CCB	Clariva™ Complete Beans	PG+	Profit Guard +™
CI	Clariva™ pn	PS	MAS Pro-Shield
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	R	Redigo™
DPHB	DPH Boost®	Ret	Revize® SB+T
DST	Dominance™ ST	Ri	Rizolex™
DX	Defend™ Extra	SF	Stine XP F
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
EL+	Elevate™ Plus	TE	Trius Elite™
En	Encase®	TT	Turbo Treat™
EQV	Equity® VIP	W	Warden® CX
Es	Escalate™	Wr	Warden® RTA
F	fungicide	YPP	YP Pro™
G	Gaucho®		

\* Seed treatments may include unspecified plant health promoting components.